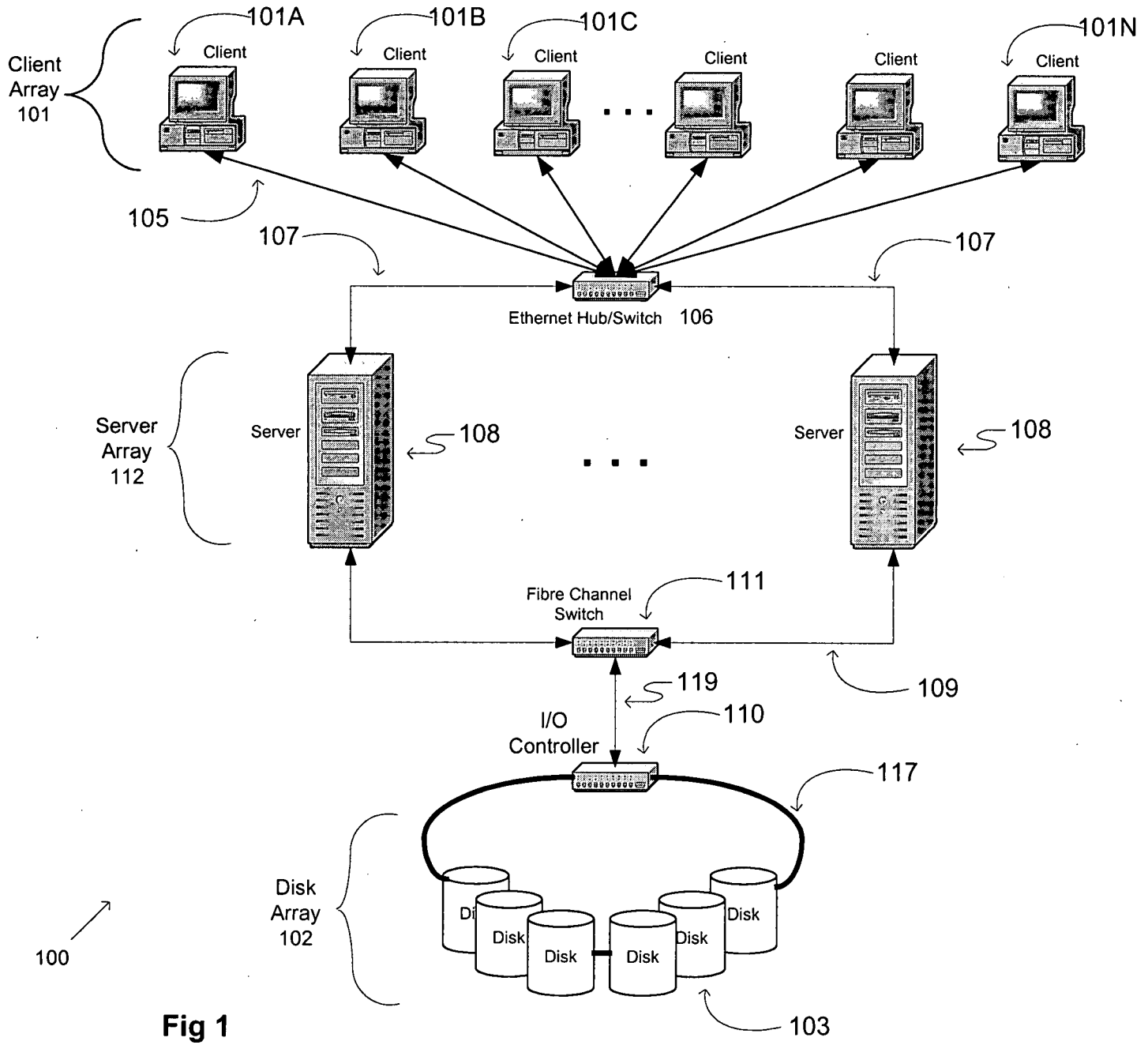
Client Array 101
101A
101B
101C
101N
Client
105
107
107
Ethernet Hub/Switch 106
Server Array 112
Server
108
108
Fibre Channel Switch
111
109
119
I/O Controller
110
117
Disk Array 102
Disk
103
100

Fig 1

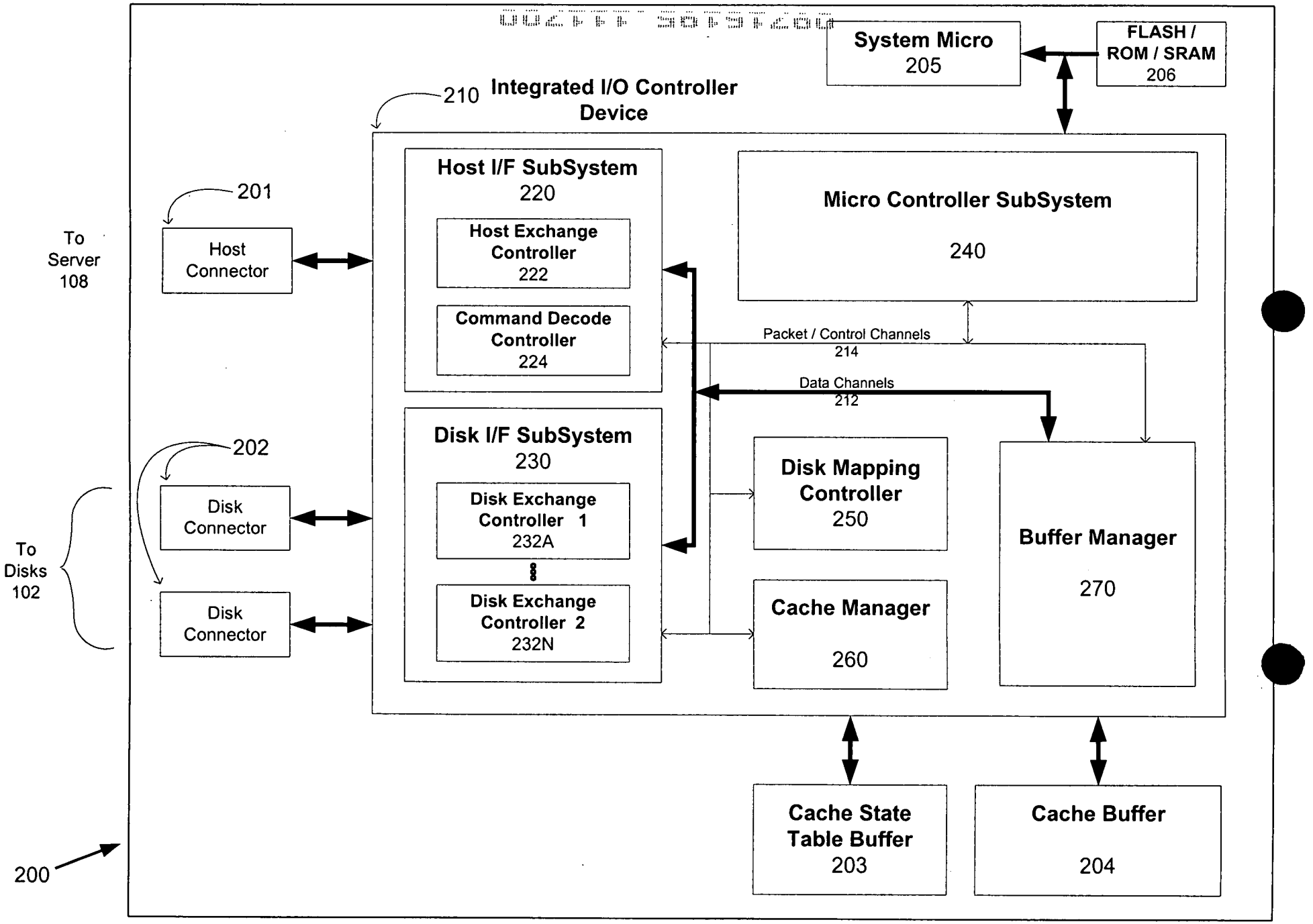

Fig 2 Integrated I/O Controller PCBA Diagram

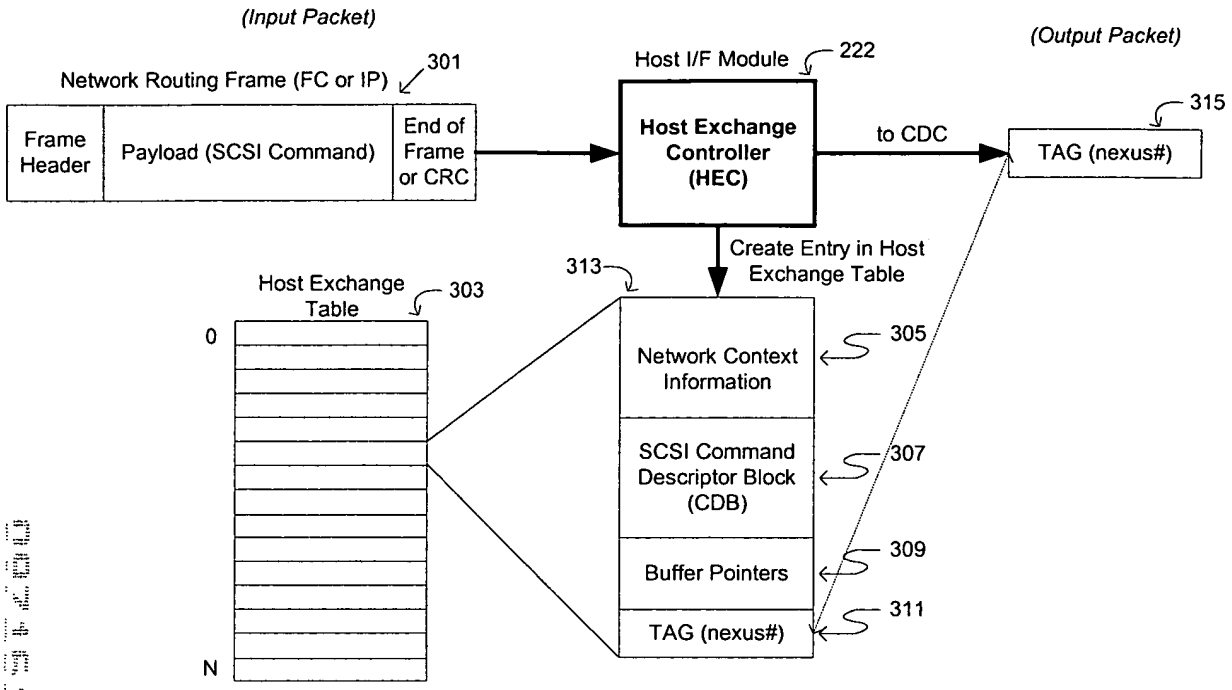
(Input Packet)
Network Routing Frame (FC or IP)
301
Frame Header
Payload (SCSI Command)
End of Frame or CRC
Host I/F Module
222
Host Exchange Controller (HEC)
to CDC
(Output Packet)
315
TAG (nexus#)
Create Entry in Host Exchange Table
313
Host Exchange Table
303
0
N
Network Context Information
305
SCSI Command Descriptor Block (CDB)
307
Buffer Pointers
309
TAG (nexus#)
311

fig 3

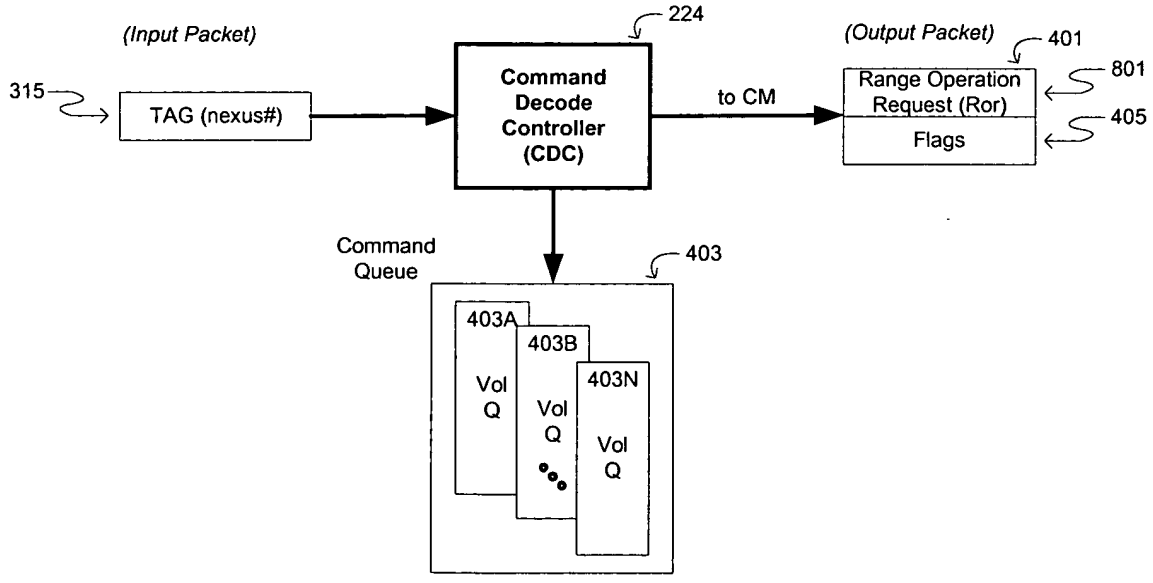
(Input Packet)
315
TAG (nexus#)
224
Command Decode Controller (CDC)
to CM
(Output Packet)
401
Range Operation Request (Ror)
801
Flags
405
Command Queue
403
403A
Vol Q
403B
Vol Q
403N
Vol Q

fig 4

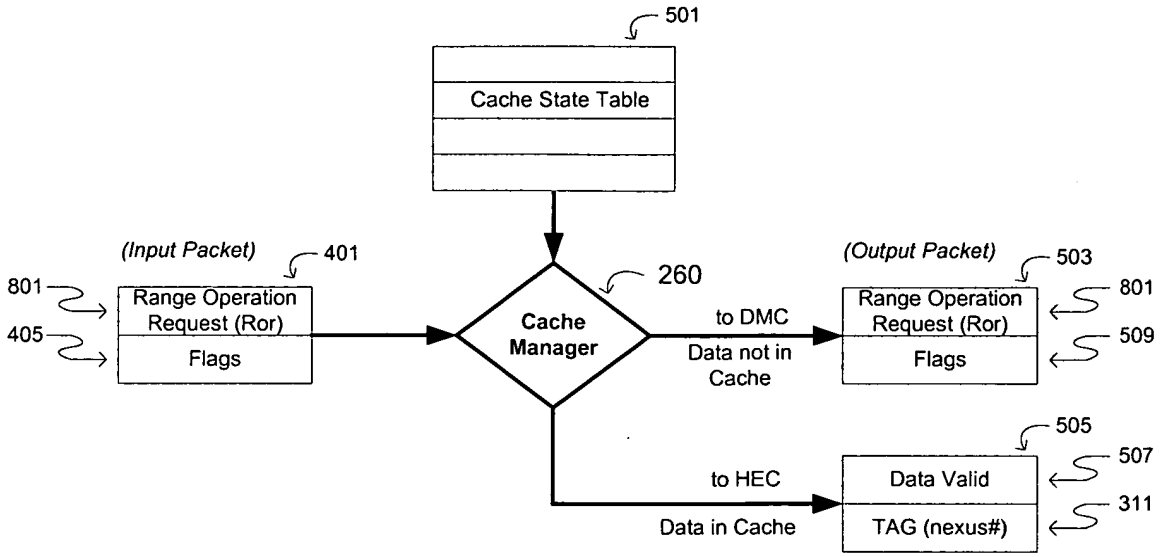
501
Cache State Table
(Input Packet)
401
801
405
Range Operation Request (Ror)
Flags
260
Cache Manager
to DMC
Data not in Cache
(Output Packet)
503
Range Operation Request (Ror)
Flags
801
509
505
to HEC
Data in Cache
Data Valid
TAG (nexus#)
507
311

fig 5

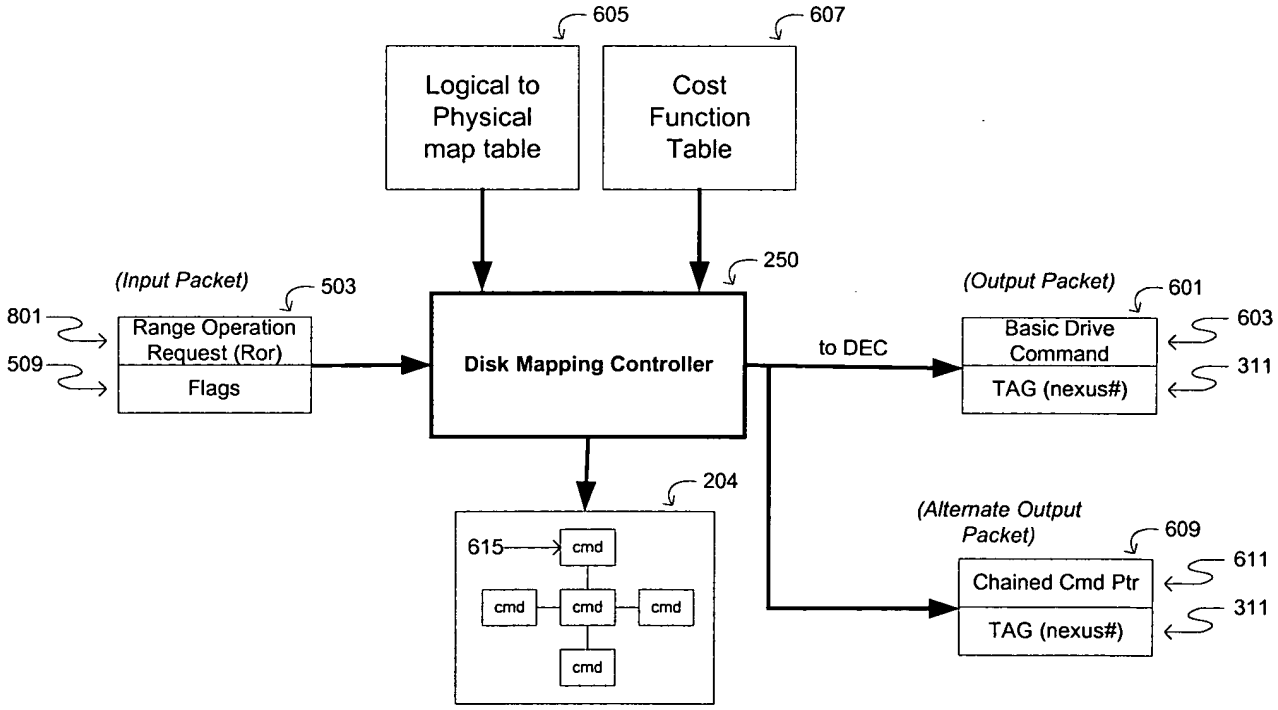
605
Logical to Physical map table
607
Cost Function Table
250
(Input Packet)
503
801
509
Range Operation Request (Ror)
Flags
Disk Mapping Controller
to DEC
(Output Packet)
601
Basic Drive Command
TAG (nexus#)
603
311
204
615
cmd
cmd
cmd
cmd
(Alternate Output Packet)
609
Chained Cmd Ptr
TAG (nexus#)
611
311

fig 6

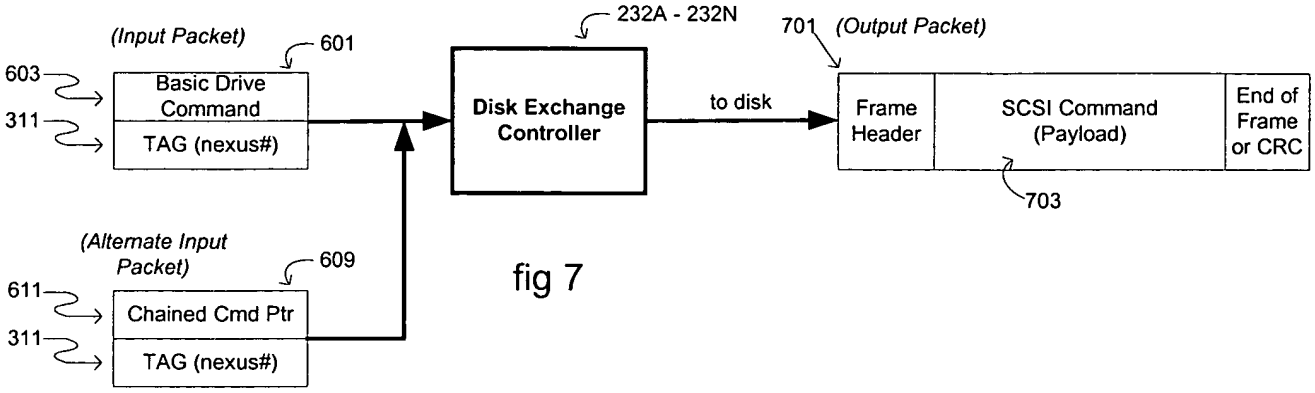

fig 7

Range Operation Request (Ror) packet

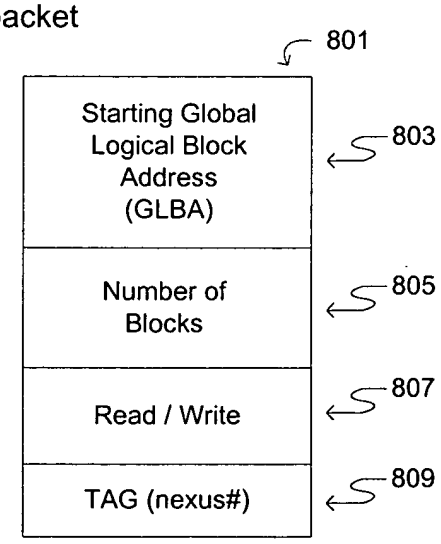

fig 8

Host Rea
Command Flow

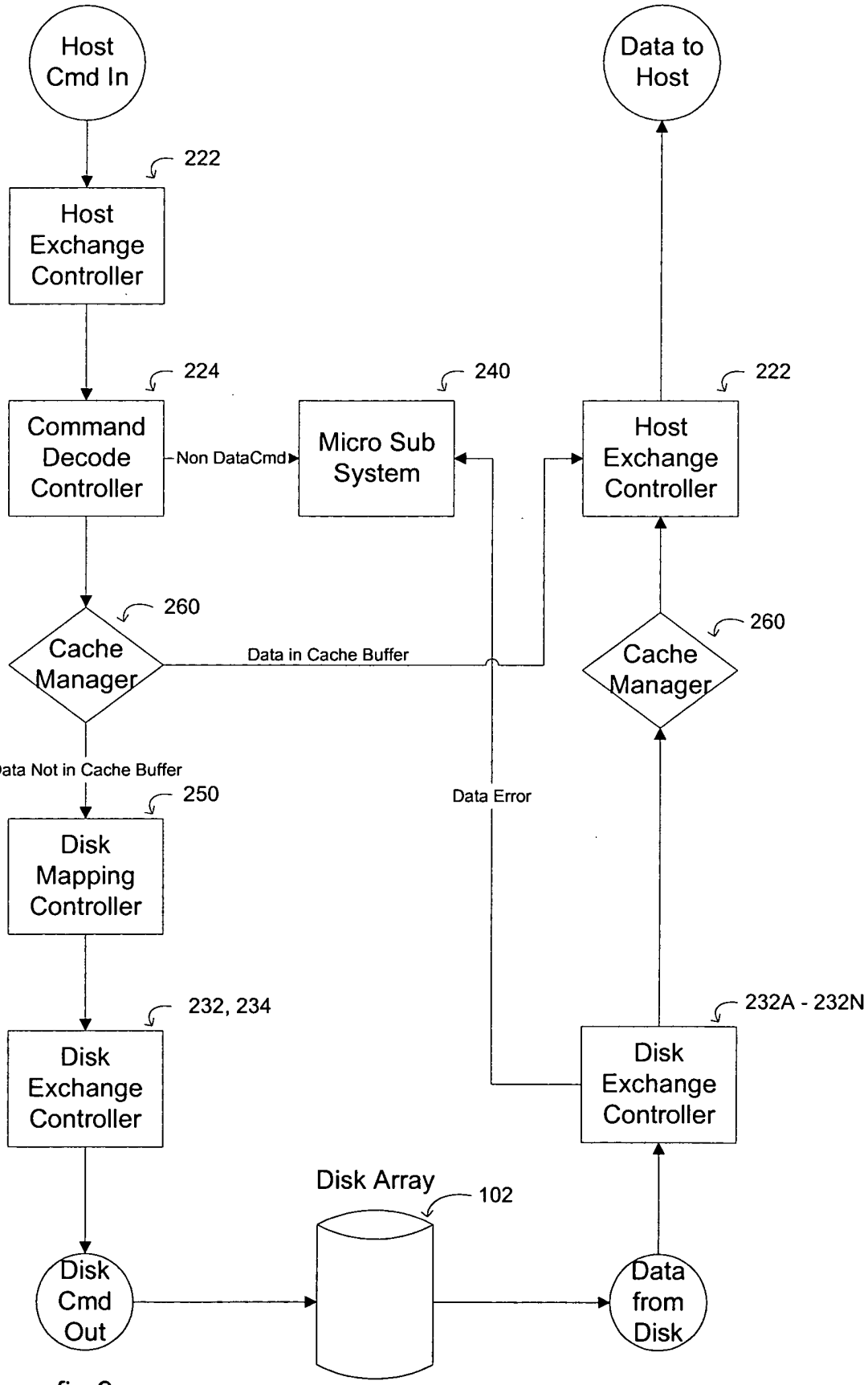

fig 9

Host Write Command Flow

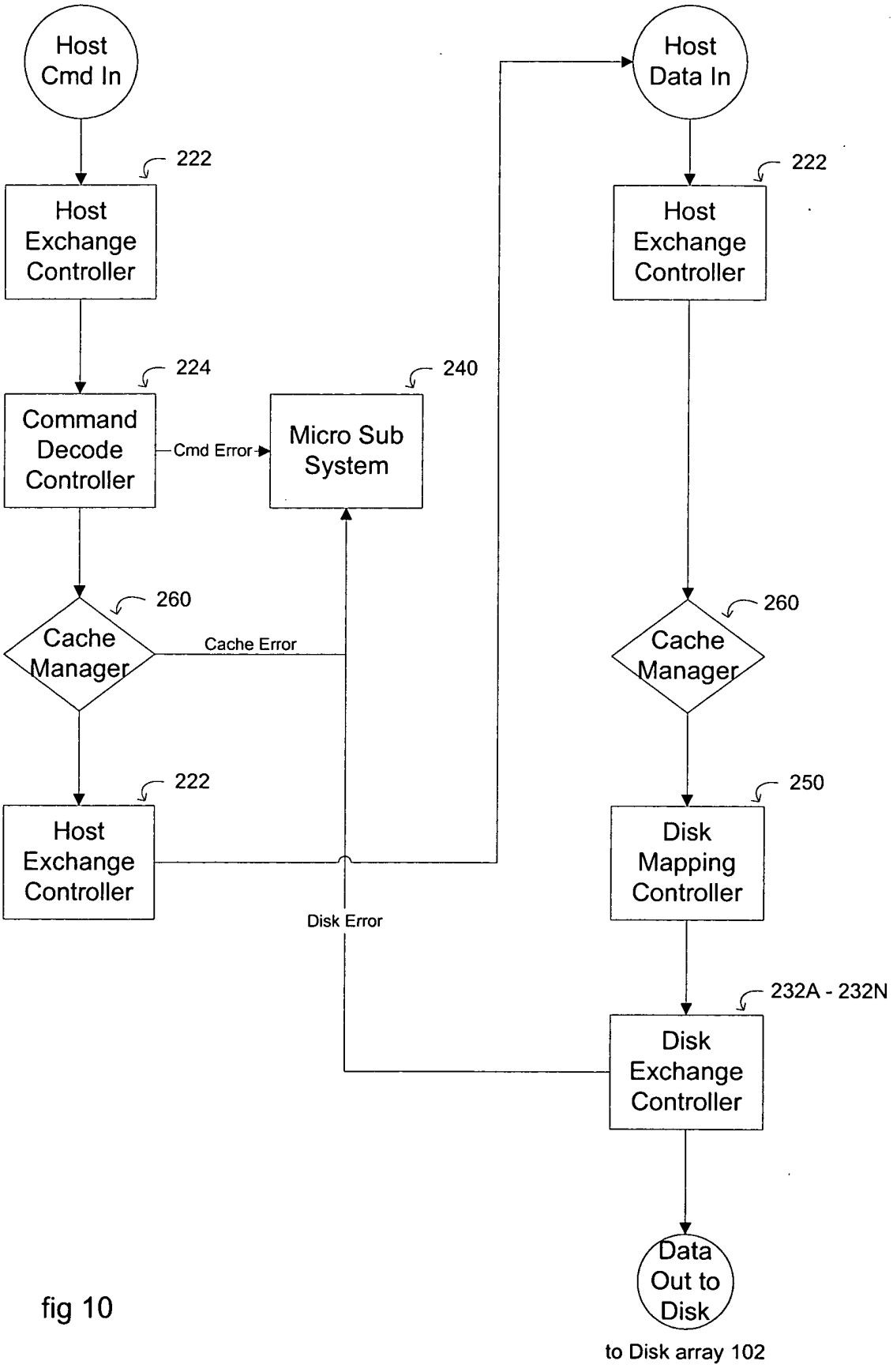

fig 10